

Converting Colors

$Y_{xy}(40.7512, 0.3141, 0.3303)$

Have a look what the booklet for
Yxy(40.7512, 0.3141, 0.3303)
contains.

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Color

Yxy(40.7988, 0.3145, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	ACABAA
RGB	172, 171, 170
RGB Percent	67%, 67%, 67%
CMY	0.3254, 0.3294, 0.3334
CMYK	0.00, 0.01, 0.01, 0.33
HSL	30°, 1%, 67%
HSV	30°, 1%, 67%
XYZ	38.8354, 40.7988, 43.8488
YIQ	171.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

Format	Color
RYB	172, 172, 170
Decimal	11316138
CIELab	70.03, 0.18, 0.64
CIELCh	70, 0.667, 74.099
Yxy	40.7988, 0.3145, 0.3304
Android (android.graphics.Color)	4289506218 (0xFFACABAA)
YUV	171.1850, -0.5842, 0.7148
Hunter-Lab	63.8739, -3.2512, 4.0098

Details

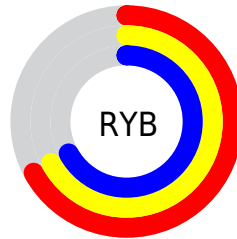
The Yxy color **40.7988, 0.3145, 0.3304** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.6560, 0.3109, 0.3276**, and the grayscale version is **40.8275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1598, 0.3141, 0.3301**, and **18.4947, 0.3151, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **37.0180, 0.3307, 0.3426**, and if you desaturate by 10%, it is **44.8839, 0.3004, 0.3190**.

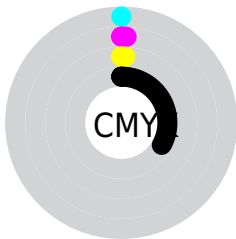
Distribution



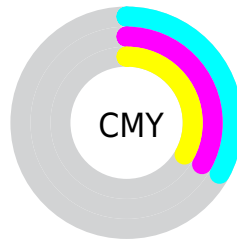
- Red (67%)
- Green (67%)
- Blue (67%)



- Red (67%)
- Yellow (67%)
- Blue (67%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (33%)



- Cyan (33%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7988, 0.3145, 0.3304 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 40.7988, 0.3145, 0.3304 by changing the saturation by 10% instead.

■ 40.7988, 0.3145,
0.3304

■ 40.7988, 0.3145,
0.3304

349.4790, 0.3136,
0.3297

■ 28.1619, 0.3147,
0.3306

■ 76.3784, 0.3142,
0.3301

■ 18.4477, 0.3150,
0.3308

100.0898, 0.3140,
0.3300

■ 11.2719, 0.3155,
0.3311

128.2616, 0.3139,
0.3300

■ 6.2500, 0.3160,
0.3316

161.2781, 0.3138,
0.3299

■ 2.9977, 0.3170,
0.3323

199.5237, 0.3138,
0.3298

■ 1.1305, 0.3186,
0.3336

243.3828, 0.3137,

■ 0.0038, 0.6786,

0.3298

0.3214

293.2397, 0.3136,
0.3297

0.0000, 0.0000,
0.0000

40.7988, 0.3145,
0.3304

40.7988, 0.3145,
0.3304

37.0180, 0.3307,
0.3426

44.8839, 0.3004,
0.3190

33.5288, 0.3491,
0.3554

49.2750, 0.2881,
0.3084

30.3253, 0.3699,
0.3687

53.9809, 0.2774,
0.2987

27.3992, 0.3932,
0.3817

59.0081, 0.2681,
0.2898

24.7422, 0.4185,
0.3940

64.2984, 0.2604,
0.2827

■ 22.3451, 0.4455,
0.4045

■ 68.8232, 0.2617,
0.2929

■ 20.1980, 0.4729,
0.4120

■ 73.5860, 0.2629,
0.3030

■ 18.2903, 0.4993,
0.4153

■ 78.5903, 0.2642,
0.3128

■ 16.6102, 0.5229,
0.4134

■ 83.8395, 0.2654,
0.3225

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.7988, 0.3146, 0.3297



40.7988, 0.3145, 0.3304



40.7988, 0.3139, 0.3307

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.7988, 0.3145, 0.3304



40.7988, 0.3112, 0.3292



40.7988, 0.3124, 0.3275

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.7988, 0.3145, 0.3304



40.6560, 0.3109, 0.3276

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.7988, 0.3115, 0.3273



40.7988, 0.3145, 0.3304



40.7988, 0.3108, 0.3283

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.7988, 0.3145, 0.3304



40.7988, 0.3120, 0.3300



40.7988, 0.3110, 0.3276



40.7988, 0.3134, 0.3281

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.7988, 0.3145, 0.3304



40.7988, 0.3133, 0.3307



40.7988, 0.3110, 0.3276



40.7988, 0.3121, 0.3274

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.8006, 0.3145, 0.3304



74.8414, 0.3127, 0.3290



40.4588, 0.3137, 0.3275



16.2647, 0.3127, 0.3290



86.8899, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.8006, 0.3145, 0.3304



74.1119, 0.3142, 0.3302



41.1799, 0.3144, 0.3318



9.3786, 0.3141, 0.3301



11.4921, 0.5398, 0.4096



0.4294, 0.4943, 0.4458

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.6560, 0.3109, 0.3276



73.8876, 0.3112, 0.3278



40.2794, 0.3110, 0.3262



9.3526, 0.3113, 0.3279



7.3778, 0.1783, 0.1620



0.3146, 0.1937, 0.2171

Previews

White Background



This preview shows how the Yxy color 40.7988, 0.3145, 0.3304 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 40.7988, 0.3145, 0.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

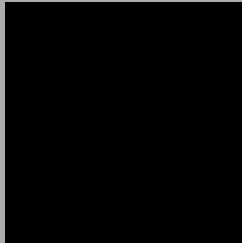
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

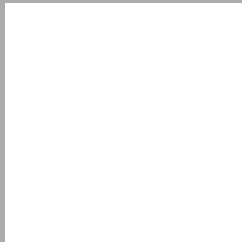
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7988, 0.3145, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 40.7988, 0.3145, 0.3304.

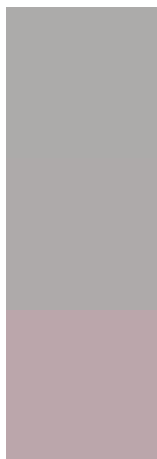


This preview shows how white text looks on a background with the Yxy color 40.7988, 0.3145, 0.3304.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.7988, 0.3145, 0.3304

Protanopia

40.6504, 0.3164, 0.3290

Deuteranopia

40.7775, 0.3280, 0.3224



Tritanopia

40.7520, 0.3064, 0.3114

Trichromacy



Original Color

40.7988, 0.3145, 0.3304

Protanomaly

40.5360, 0.3154, 0.3290

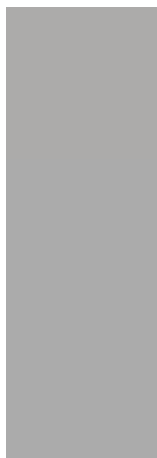
Deuteranomaly

40.8906, 0.3231, 0.3250

Tritanomaly

40.8480, 0.3087, 0.3181

Monochromacy



Original Color

40.7988, 0.3145, 0.3304

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.7240, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7988, 0.3145, 0.3304 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(172, 171, 170)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 170)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(172, 171, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 170) }
```

Border

The CSS property to change the border of an element to Yxy 40.7988, 0.3145, 0.3304 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 171, 170) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(172, 171, 170) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(172, 171, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 170);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
170) }
```

Background

The CSS property to change the background color of an element to Yxy 40.7988, 0.3145, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 170) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(172,  
171, 170) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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